

In The Specification:

Please amend paragraphs [0006] - [0009] of the Specification as indicated:

[0006] It should be possible by means of the invention to insert distal screws which are as long as possible through the bone in that region of the articular block which is in the vicinity of the joint, for which purpose the bores are accordingly to be introduced in a targeted manner and without any penetration into the joint, with the result that, after insertion of a screw, optimal fixation in the good bone should be achieved. Any screws opposite to one another should moreover be capable of being brought past one another as closely as possible in a targeted manner and approximately along an axis without collision. This should be ensured in particular directly during ~~[[t-he]]~~ the first attempt in order to protect the bone as far as possible. The compression of the bone fragments of the articular block during the entire duration of the operation is also to be maintained in order thereby to ensure a stable connection and good clinical results.

[0007] The aiming device according to the invention and according to claim 1 consists of a bow, optionally having various cut-outs for weight reduction, and achieves the objects set. A preferred embodiment has the following design, a screw spindle which can be actuated by means of a nut and is intended for fixing the aiming device on the articular region of the bone is provided on the bow. A cylindrical guide which in turn bears an adaptor bush so as to permit rotational movement is mounted on the opposite end of the bow. Cylindrical guide and adaptor bushing are suitable firstly for guiding a bone screw and secondly for bearing a drill bushing having preferably an external thread. A target plate for connection to a bone plate is intended for producing a temporary plug connection with the adaptor bushing of the aiming device.

[0008] Before the operation, the target plate is screwed to a lateral implant (bone plate). By means of the plug connection, the target plate with the lateral implant is mounted on the adaptor bushing of the aiming device. The drill bushing is then inserted into the orifice in the cylindrical guide and, passing through the adaptor bushing and the target plate; comes into contact with complementary internal thread in a bore of the implant. Everything is now placed together on the fragmented bone, clamped by the screw spindle of the aiming device and fixed with a proximal bone screw through the implant. With the aid of the aiming device according to the invention, it is therefore possible to determine the point of emergence of the distal, angle-stable screws prior

to drilling. When everything is correctly aligned, drilling can be effected through the integrated drill bushing. Furthermore, the length of the screw to be used and hence the depth of the hole to be drilled can be determined directly using the aiming device, in particular with reference to the scale mounted on its screw spindle.

[0009] After removal of the drill bushing screwed to the implant, the compression persists via the plug connection between adaptor bushing and target plate. This is an important advantage in contrast to the known device. By using the target plate, it is therefore possible, after removal of the drill bushing, to screw in the screw while the aiming bow is mounted, i.e. under compression. The removed drill bushing now also frees the larger diameter required by the bone screw. The bone screw fits firmly with its head on the same implant thread which the drill bushing has previously held. In addition, the alignment of further screws is simplified in that the position of the already inserted screw is indicated by the aiming device so that they are inserted in a completely targeted manner parallel to the joint axis and through the best bone of the distal part. When this has been [[c]]completed, the aiming device and the target plate can be removed.

Please amend paragraphs [0014] - [0015] of the Specification as indicated:

[0014] FIG. 1 shows an aiming device according to the invention, having a separate drill bushing and target plate, in the frontal view,

[0015] FIG. 2 shows the aiming device according to FIG. 1 with mounted drill bushing and target plate, in frontal view,

Please amend paragraph [0017] of the Specification as indicated:

[0017] FIG. 6 shows a schematic diagram of the aiming device with mounted drill bushing, target plate and implant screwed thereto, as mounted on the humerus, in perspective view, and

Please amend paragraph [0019] - [0023] of the Specification as indicated:

[0019] FIG. 1 shows an aiming device 100 having a separate drill bushing 140 and target plate 200. The target plate device 100 consists of a U-shaped bow 110 having various cut-outs 112. A

screw spindle 130 adjustable by means of a nut 132 is mounted on the lower end of the bow 110. A rotationally movable pin 131 is arranged on one end of the screw spindle 130. A scale 133 is mounted on the screw spindle 130. A cylindrical guide 111 which in turn bears an adaptor bushing 120 in a rotationally movable manner is arranged on the upper end of the bow 110. Cylindrical guide 111 and adaptor bushing 120 have an internal diameter which is suitable firstly for guiding a bone screw (not shown) and secondly for bearing a drill bushing 140. This drill bushing 140 is equipped at its end with a drill bushing thread 141 which, when an implant (not shown) is used, engages said implant. The adaptor bushing 120 is equipped with a snap element which finds its counterpart in a bore 220 of [[a]] the target plate 200. The target plate 200 is therefore intended for producing a temporary plug connection to the aiming device 100, as shown in FIG. 2.

[0020] FIG. 2 shows the aiming device 100 with mounted drill bushing 140 and target plate 200. The target plate 200 has a plug connection to the adaptor bushing 120 described in FIG. 1. The drill bushing 140 is inserted into the orifice in the cylindrical guide 111 and, on passing through the adaptor bushing and the target plate 200 appears with its drill bushing thread 141.

[0021] FIG. 3 to 5 show the target plate 200 in three different views. Said target plate has a bore 220 for the adaptor bushing (not shown) which can thereby produce a plug connection to the target plate 200. Furthermore, three bores 210 for anterior-posterior bone screws are formed, one bore 230 for a target plate screw and three bores 240 for Kirschner wires.

[0022] FIG. 6 shows a schematic diagram of the aiming device 100 with mounted drill bushing 140, target plate 200 and lateral implant 410a screwed thereto, as mounted on the articular block 310 of the humerus 300. The instrument set is therefore mounted as described in FIG. 2, the lateral implant 410a additionally being screwed on the one hand by means of a target plate screw 520 through the bore 230 shown in FIG. 3 to 5 and intended for the target plate screw (not visible) to the target plate 200. On the other hand, a thread (not shown) of the lateral implant 410a engages the drill bushing 140, in particular its drill bushing thread 141, which passes through the adaptor bushing 120. The entire structure is clamped on the articular block 310 of the humerus 300 by the screw spindle 130 actuatable by means of the nut 132 and is anchored in the humerus 300 by means of a proximal bone screw 510a through the implant 410a.

[0023] FIG. 7 shows a schematic diagram of the humerus with implants and bone screws in the frontal plane. The lateral implant 410a is fixed by means of proximal 510a, distal 510c and anterior-posterior 510e bone screws. The medial implant 410b is fixed by means of proximal ~~[[410b]]~~ 510b and distal 510d bone screws. In particular, the bone screws 510c and 510d are chosen to be as long as possible without penetrating into the joint and are guided past one another as closely as possible.

Please amend paragraph [0028] of the Specification as indicated:

[0028] 120--Adaptor bushing or contact element

Please amend paragraph [0033] - [0034] of the Specification as indicated:

[0033] 140--Drill bushing

[0034] 141--Drill bushing thread

Please amend paragraph [0037] of the Specification as indicated:

[0037] 220--Bore for adaptor bushing